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DOCKET NO.: TI-32977

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Applicant: **Henry Stephen Eilts, *et al.***  
Serial No.: **Unknown**  
Filed: **Herewith**  
For: **A COMPUTATIONALLY EFFICIENT SYSTEM AND METHOD FOR CHANNEL ESTIMATION**  
Art Unit: **Unknown**  
Examiner: **Unknown**

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: \_\_\_\_\_  
Filing Date: \_\_\_\_\_

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

(a) \_\_\_\_ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.

(b) \_\_\_\_ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

(a) **X** Within 3 months of the filing date or date of entry into the National Stage.

(b) \_\_\_\_ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0668 for consideration of this Statement.

(c) \_\_\_ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1) \_\_\_ The required certification is given below, or

(2) \_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) \_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0668.

(d) \_\_\_ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1) \_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or

(2) \_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 20-0668.

4. Certification (if applicable)

(a) \_\_\_ The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

(b) \_\_\_ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-0668.

Respectfully Submitted,

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Form PTO-1449 (Modified)  <div style="text-align: center;"> <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>          (Use several sheets if necessary)       </div>	Atty Docket No.: <b>TI-32977</b>	Serial No.: Unknown
Applicant: Henry Stephen Eilts, <i>et al.</i>		
Filing Date: Herewith		Group: Unknown

 11000 U.S. PTO  
10/001906


**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5 1 2 7 0 5 1	6/30/1992	Chan, et al.	380	49	6/13/1988
	AB	6 0 0 5 8 4 0	12/21/1999	Awater, et al.	370	206	4/01/1997
	AC	6 0 9 1 9 3 2	7/18/2000	Langlais	455	5.1	
	AD	6 1 8 5 2 5 7	2/6/2001	Moulsley	375	260	
	AE	6 1 9 2 0 2 6	2/20/2001	Pollack, et al.	370	203	2/6/1998
	AF	6 1 9 8 7 8 2	3/6/2001	De Courville, et al.	375	341	2/1/2000
	AG	6 2 2 6 3 3 7	5/1/2001	Klank, et al.	375	367	
	AH	6 2 6 3 0 2 9	7/17/2001	Alard, et al.	375	340	4/17/1997

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
	AI						Yes	No

**OTHER ART(Including Author, Title, Date, Pertinent Pages, etc.)**

	AJ		
	AK		

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.